

- S37: (1960) S36 and (seed seeding) with (damascence dual adj damascence trench via groove hole)
- S38: (1526) S37 and (metal metal\$5) with (damascence dual adj damascence trench via groove hole)
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- S40: (105) S39 and (heat\$3 anneal\$3 thermal\$5) near5 first

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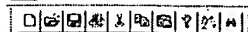
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19 and (heat\$3

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	U	Document	Issue Dat	Page	Title	Current O	Current X	Retrieval	Inventor	S	C	P	2	3
1	<input checked="" type="checkbox"/>	US 2005009	2005050	30	Semiconductor device an	438/637			Kunishima, Hiroyuk	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>	US 2005008	2005042	114	Revolution member supp	204/297.0	204/297.08		Hongo, Akihisa et a	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	<input checked="" type="checkbox"/>	US 2005004	2005030	19	Chip stack package and	257/678	257/686;		Lee, Kang-Wook et	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	<input checked="" type="checkbox"/>	US 2005000	2005011	10	Semiconductor memory d	257/295			Okuno, Yasutoshi	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	<input checked="" type="checkbox"/>	US 2004020	2004102	78	Integrated equipment set	204/229.8	257/E21.5		Li, Hongwen et al.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	<input checked="" type="checkbox"/>	US 2004019	2004100	8	Method for forming thick	438/692			Wang, Sung-Hsiung	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	<input checked="" type="checkbox"/>	US 2004005	2004031	14	Dopant interface formatio	438/162	257/E21.1		Dublin, Valery M. e	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	<input checked="" type="checkbox"/>	US 2004005	2004031	14	Dopant interface formatio	438/106	257/E21.1		Dubin, Valery M. et	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	<input checked="" type="checkbox"/>	US 2004001	2004012	31	Semiconductor device an	438/637			Kunishima, Hiroyuk	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	<input checked="" type="checkbox"/>	US 2004000	2004011	75	Integrated equipment set	156/345.1	257/E21.5		Pan, Judon Tony et	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11	<input checked="" type="checkbox"/>	US 2003020	2003103		Semiconductor device an	257/750	257/762;		Ueno, Kazuyoshi	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	<input checked="" type="checkbox"/>	US 2003016	2003090		Identifying defects in a co	374/5	374/7		Borden, Peter G. et	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13	<input checked="" type="checkbox"/>	US 2003007	2003041	42	Integrated equipment set	700/121	257/E21.1		Cheung, Robin W.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
14	<input checked="" type="checkbox"/>	US 2003005	2003032	29	Method and apparatus fo	266/81	266/250		Weaver, Robert A.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15	<input checked="" type="checkbox"/>	US 2003001	2003011	30	Locally increasing sidewa	438/639	257/E21.2		Apelgren, Eric M. e	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16	<input checked="" type="checkbox"/>	US 2003001	2003011	17	Method for manufacturin	204/298.1	257/E21.1		Ueno, Kazuyoshi	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17	<input checked="" type="checkbox"/>	US 2002007	2002062	19	Method and apparatus fo	205/157	204/274;		Ritzdorf, Thomas L.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
18	<input checked="" type="checkbox"/>	US 2002007	2002061	22	Method of enhancing adh	438/629	257/E21.2		Gilbert, Stephen R.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19	<input checked="" type="checkbox"/>	US 2002003	2002032	23	Method and apparatus fo	438/618	257/E21.5		Ritzdorf, Thomas L.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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12	✓	US 2003016	2003090		Identifying defects in a co	374/5	374/7		Borden, Peter G. et	✓	✓	✓	✓	✓
13	✓	US 2003007	2003041	42	Integrated equipment set	700/121	257/E21.1		Cheung, Robin W.	✓	✓	✓	✓	✓
14	✓	US 2003005	2003032	29	Method and apparatus fo	266/81	266/250		Weaver, Robert A.	✓	✓	✓	✓	✓
15	✓	US 2003001	2003011	30	Locally increasing sidewa	438/639	257/E21.2		Apelgren, Eric M. e	✓	✓	✓	✓	✓
16	✓	US 2003001	2003011	17	Method for manufacturin	204/298.1	257/E21.1		Ueno, Kazuyoshi	✓	✓	✓	✓	✓
17	✓	US 2002007	2002062	19	Method and apparatus fo	205/157	204/274;		Ritzdorf, Thomas L.	✓	✓	✓	✓	✓
18	✓	US 2002007	2002061	22	Method of enhancing adh	438/629	257/E21.2		Gilbert, Stephen R.	✓	✓	✓	✓	✓
19	✓	US 2002003	2002032	23	Method and apparatus fo	438/618	257/E21.5		Ritzdorf, Thomas L.	✓	✓	✓	✓	✓
20	✓	US 2002000	2002011	21	Hydrogen-free contact et	438/3	257/E21.0		Ma, Shawning et al	✓	✓	✓	✓	✓
21	✓	US 2002000	2002010	19	METHOD AND APPAR	148/518	148/536;		RITZDORF, THOM	✓	✓	✓	✓	✓
22	✓	US 2001005	2001121	30	Dielectric formation to se	438/597	257/E21.5		Besser, Paul R. et al	✓	✓	✓	✓	✓
23	✓	US 2001004	2001112	22	Method of planarizing a c	438/653	257/E21.3		Gilbert, Stephen R.	✓	✓	✓	✓	✓
24	✓	US 2001003	2001110	34	Liquid treatment system a	118/70			Nakashima, Satoshi	✓	✓	✓	✓	✓
25	✓	US 2001003	2001102	13	Semiconductor device ma	438/687	257/E21.1		Yamasaki, Hideaki e	✓	✓	✓	✓	✓
26	✓	US 2001003	2001102	22	Hardmask designs for dry	438/396	257/E21.0		Moise, Theodore et	✓	✓	✓	✓	✓
27	✓	US 2001002	2001092	89	Semiconductor substrate	427/346	156/345.12		Kinnura, Norio et al.	✓	✓	✓	✓	✓
28	✓	US 6861027	2005030	30	Method and apparatus fo	266/256	118/725		Weaver, Robert A.	✓	✓	✓	✓	✓
29	✓	US 6841458	2005011	13	Dopant interface formatio	438/510	257/E21.1		Dubin, Valery M. et	✓	✓	✓	✓	✓
30	✓	US 6753251	2004062	17	Method for filling recesses	438/638	205/157;		Ritzdorf, Thomas L.	✓	✓	✓	✓	✓



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19 and (heat\$3

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31	<input checked="" type="checkbox"/>	US 6635528	2003102	22	Method of planarizing a c	438/253	257/E21.3		Gilbert; Stephen R.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
32	<input checked="" type="checkbox"/>	US 6634370	2003102	32	Liquid treatment system a	134/61	118/500;		Nakashima; Satoshi	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
33	<input checked="" type="checkbox"/>	US 6610594	2003082	29	Locally increasing sidewa	438/629	257/E21.2		Apelgren; Eric M. e	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
34	<input checked="" type="checkbox"/>	US 6576546	2003061	21	Method of enhancing adh	438/629	257/E21.2		Gilbert; Stephen R.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
35	<input checked="" type="checkbox"/>	US 6548343	2003041	18	Method of fabricating a f	438/240	438/250;		Summerfelt; Scott	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
36	<input checked="" type="checkbox"/>	US 6534809	2003031	22	Hardmask designs for dry	257/295	257/751;		Moise; Theodore et	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
37	<input checked="" type="checkbox"/>	US 6514844	2003020	29	Sidewall treatment for lo	438/597	257/E21.2		Martin; Jeremy I. et	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
38	<input checked="" type="checkbox"/>	US 6508920	2003012	20	Apparatus for low-temper	204/194	118/58;		Ritzdorf; Thomas L.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
39	<input checked="" type="checkbox"/>	US 6492222	2002121	19	Method of dry etching PZ	438/240	438/239;		Xing; Guoqiang	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
40	<input checked="" type="checkbox"/>	US 6486063	2002112	13	Semiconductor device ma	438/687	257/E21.1		Yamasaki; Hideaki	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
41	<input checked="" type="checkbox"/>	US 6485988	2002112	21	Hydrogen-free contact et	438/3	257/E21.0		Ma; Shawning et al	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
42	<input checked="" type="checkbox"/>	US 6482656	2002111	21	Method of electrochemic	438/2	257/E21.1		Lopatin; Sergey	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
43	<input checked="" type="checkbox"/>	US 6478935	2002111	16	Semiconductor device pla	204/237	118/44;		Ueno; Kazuyoshi	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
44	<input checked="" type="checkbox"/>	US 6471913	2002102	30	Method and apparatus fo	266/256	118/725;		Weaver; Robert A.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
45	<input checked="" type="checkbox"/>	US 6445070	2002090	9	Coherent carbide diffusio	257/751	257/759;		Wang; Pin-Chin Co	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
46	<input checked="" type="checkbox"/>	US 6368967	2002040	31	Method to control mecha	438/687	257/E21.5		Besser; Paul R.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
47	<input checked="" type="checkbox"/>	US 6303486	2001101	29	Method of fabricating co	438/618	257/374;		Park; Stephen Keet	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
48	<input checked="" type="checkbox"/>	US 6261963	2001071	17	Reverse electroplating of	438/704	205/640;		Zhao; Larry et al.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
49	<input checked="" type="checkbox"/>	US 6221765	2001042	17	Method for manufacturin	438/653	257/E21.1		Ueno; Kazuyoshi	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>